

# Curriculum Map

Teacher's Name Edna Hopkins

Year: \_\_\_\_\_

Grade Level or Course 1<sup>st</sup> Grade – Math

Building: Southeast Elementary

	September	October	November	December	January
Essential Questions	What are numbers? Why do I need to learn to add?	Why do I need to subtract? What is the difference between addition & subtraction? What strategies can I use to solve addition sentences?	What is a fact family? What strategies can I use to solve subtraction sentences?	What shapes do I find in my world? Where do I find patterns? How can I make the pattern continue? How do direction words help me find an object or place?	How can I use counting on and counting back to solve addition and subtraction problems? How can story problems help me to solve real life math?
Content	<p>CONCEPT: We use numbers to stand for objects so that we can talk about them in clear common ways.</p> <ul style="list-style-type: none"> <li>Counting 0-12</li> <li>Number identification</li> <li>Number order &amp; sense</li> <li>Addition to 6</li> <li>Story Problems</li> <li>Graphing, sorting &amp; classifying</li> <li>TERMS: count, add, graph</li> </ul>	<ul style="list-style-type: none"> <li>CONCEPT: We can show how to put objects together and take them away using addition and subtraction signs.</li> <li>Subtraction facts from 6</li> <li>Addition facts from 10</li> <li>Order of addition property</li> <li>Story Problems</li> </ul>	<ul style="list-style-type: none"> <li>CONCEPT: We can group numbers together in “families” that have common sums to help us remember them and work with them.</li> <li>Subtraction facts to 10</li> <li>Fact families with sums to 10</li> <li>Story problems</li> <li>Subtraction with zero</li> <li>Number lines</li> </ul>	<ul style="list-style-type: none"> <li>CONCEPT: There are names for common shapes and patterns that help us describe our world.</li> <li>Solid figures</li> <li>Plane figures</li> <li>Symmetry</li> <li>Patterning</li> <li>Positional words</li> <li>Grid</li> </ul>	<ul style="list-style-type: none"> <li>CONCEPT: There are ways of counting that help me solve problems.</li> <li>Addition facts to 12</li> <li>Subtraction facts to 12</li> <li>Fact families to 12</li> <li>Story problems</li> <li>3 addends</li> </ul>
Skills	<ul style="list-style-type: none"> <li>Identify numbers 0-12 using proper form in text</li> <li>Identifies numbers 0-12</li> <li>Counts orally to 20</li> <li>Counts using manipulative to show 1 to 1 correspondence &amp; number sense</li> <li>Demonstrates greater &amp; less than</li> <li>Produces addition facts to six</li> <li>Uses story problems to show addition</li> <li>Employ terms actively in speech and writing</li> </ul>	<ul style="list-style-type: none"> <li>Uses manipulative to solve subtraction facts to 6</li> <li>Writes subtraction sentences</li> <li>Identifies addition facts to 10 using doubles</li> <li>Demonstrates "counting on"</li> <li>Demonstrates the difference between addition and subtraction</li> <li>Uses story problems to show number sentences</li> </ul>	<ul style="list-style-type: none"> <li>Subtracts from 10 to solve problems vertically &amp; horizontally</li> <li>Utilizes counting back as a strategy to solve a problem</li> <li>Models fact families for sums and differences</li> <li>Uses story problems to show addition &amp; subtraction sentences</li> <li>Demonstrates how zero plays a role in addition &amp; subtraction</li> <li>Uses number lines to solve problems</li> </ul>	<ul style="list-style-type: none"> <li>Identifies cube, cone, sphere, rectangular prism, pyramid, cylinder</li> <li>Identifies solid figures by attributes</li> <li>Identifies square, circle, triangle, rectangle</li> <li>Uses manipulative to create plane figure</li> <li>Makes model to match given model</li> <li>Makes symmetrical figures</li> <li>Makes &amp; extend patterns</li> <li>Applies positional words</li> <li>Locates points on a grid</li> </ul>	<ul style="list-style-type: none"> <li>Uses “counting on” to solve addition problems</li> <li>Uses “doubles” to find sums to 12</li> <li>Uses “counting back” to solve subtraction problems</li> <li>Utilizes number line to help with counting on &amp; counting back</li> <li>Models fact families</li> <li>Solves story problems for addition and subtraction</li> <li>Adds 3 addends to find sums to 12</li> </ul>

<b>Assessments</b>	<ul style="list-style-type: none"> <li>• Solve addition number sentence using addition on worksheet</li> <li>• Show collected data on a graph</li> <li>• Write numbers 0-12 &amp; draw corresponding data on a graph</li> <li>• Performance task to show conservation of number with notation</li> <li>• Solve addition problems with manipulative &amp; write addition sentence (Band Aid people)</li> </ul>	<ul style="list-style-type: none"> <li>• Student - created flip book of addition facts</li> <li>• Chapter test- 3 open response</li> <li>• Models will be made to solve addition and subtraction sentences (duck sheet &amp; dominoes)</li> </ul>	<ul style="list-style-type: none"> <li>• Chapter test- 10 mc</li> <li>• Performance task- addition &amp; subtraction (ladybug sheet)</li> <li>• Make up own story problem to share with another student</li> </ul>	<ul style="list-style-type: none"> <li>• Performance task on solid &amp; plane figures</li> <li>• Pictures used to show symmetry</li> <li>• Grid used to show positions</li> <li>• Chapter test-10 mc and timed memorization</li> <li>• Pattern activity to show extension</li> </ul>	<ul style="list-style-type: none"> <li>• Chapter test- 10 matching and 3 problem solving</li> <li>• Story problem book</li> <li>• Fact family assessment (when given 3 numbers can write 2 addition and 2 subtraction facts)</li> </ul>
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